

AMENDMENT TO THE CLAIMS

1. (CURRENTLY AMENDED) An apparatus comprising:

a ~~first~~ decoder circuit configured to receive an encoded video signal at a first input and to present a decoded video signal at a first output; and

5 a ~~second~~ scaler circuit configured (a) to receive (i) said decoded video signal at a second input and (ii) a user input signal at a third input and (b) to present (i) a first video output signal having a first resolution at a second output and (ii) a second video output signal having a second resolution at a third  
10 output, wherein said first video output signal and said second video output signal are generated in response to said decoded video signal and said user input signal.

2. (CURRENTLY AMENDED) The apparatus according to claim 1, ~~wherein said first circuit comprises~~ further comprising:

~~a decoder circuit configured to generate said decoded video signal in response to said encoded video signal, and~~

5 a memory circuit configured to store said decoded video signal prior to presentation at said first output.

3. (CURRENTLY AMENDED) The apparatus according to claim 1, wherein said ~~second circuit comprises:~~

a scaler circuit is further configured to generate a first intermediate signal and a second intermediate signal in response to said decoded video signal and said user input signal.

4. (CURRENTLY AMENDED) The apparatus according to claim 3, wherein said ~~second~~ scaler circuit further comprises:

a first video generating circuit configured to generate said first video output signal in response to said first intermediate signal; and

a second video generating circuit configured to generate said second video output signal in response to said second intermediate signal.

5. (CURRENTLY AMENDED) The apparatus according to claim 1, wherein said first video output signal and said second video output signal have ~~different~~ scales determined in response to said user input signal.

6. (ORIGINAL) The apparatus according to claim 5, wherein said scales are predetermined to optimize said first resolution.

7. (ORIGINAL) The apparatus according to claim 5, wherein said scales are predetermined to optimize said second resolution.

8. (ORIGINAL) The apparatus according to claim 5, wherein said scales are predetermined to balance said first resolution and said second resolution.

9. (ORIGINAL) The apparatus according to claim 5, wherein said scales are user-programmable.

10. (ORIGINAL) The apparatus according to claim 9, wherein said scales are constrained according to a ratio of lines in said first video output signal and said second video output signal.

11. (ORIGINAL) The apparatus according to claim 1, wherein said first video output signal and second video output signal comprise a standard definition video signal and a high definition video signal, respectively.

12. (PREVIOUSLY PRESENTED) The apparatus according to claim 3, wherein said scaler circuit is configured to generate both said first intermediate signal and said second intermediate signal

in response to a single reading of image data from a memory  
5 circuit.

13. (CURRENTLY AMENDED) An apparatus comprising:

means for generating a decoded video signal in response  
to an encoded video signal, wherein said encoded video signal is  
received at a first input and said decoded video signal is  
5 presented at a first output; and

means for generating (i) a first video output signal  
having a first resolution and (ii) a second video output signal  
having a second resolution in response to said decoded video signal  
and a user input signal received at a second input, wherein said  
10 first video output signal is presented at a second output and said  
second video output signal is presented at a third output.

14. (CURRENTLY AMENDED) A method for displaying video  
images comprising the steps of:

(A) generating a decoded video signal in response to an  
encoded video signal, wherein said encoded video signal is received  
5 at a first input and said decoded video signal is presented at a  
first output;

(B) generating (i) a first video output signal having a  
first resolution and (ii) a second video output signal having a

second resolution in response to said decoded video signal and a  
10 user input signal received at a second input; and

(C) presenting (i) said first video output signal at a second output and (ii) said second video output signal at a third output.

15. (PREVIOUSLY PRESENTED) The method according to claim 14, wherein the step (A) comprises:

decoding said encoded video signal; and

storing said decoded video signal in a storage device.

16. (CURRENTLY AMENDED) The method according to claim 14, wherein the step (B) further comprises:

generating a first intermediate signal in response to said decoded video signal and a first scaling factor; and

5 generating a second intermediate signal in response to said decoded video signal and a second scaling factor, wherein (i) said first intermediate signal and said second intermediate signal are generated simultaneously and (ii) said first scaling factor and said second scaling factor are determined based upon said user  
10 input signal.

17. (PREVIOUSLY PRESENTED) The method according to claim 16, wherein said first intermediate signal and said second

intermediate signal are generated with a single read of image data from a storage device storing said decoded video signal.

18. (ORIGINAL) The method according to claim 16, wherein the step (B) further comprises:

generating said first video output signal in response to said first intermediate signal; and

5 generating said second video output signal in response to said second intermediate signal.

19. (ORIGINAL) The method according to claim 16, wherein said first scaling factor and said second scaling factor are different.

20. (ORIGINAL) The method according to claim 16, wherein said first scaling factor and said second scaling factor are predetermined to optimize said first resolution.

21. (ORIGINAL) The method according to claim 16, wherein said first scaling factor and said second scaling factor are predetermined to optimize said second resolution.

22. (ORIGINAL) The method according to claim 16, wherein said first scaling factor and said second scaling factor are

predetermined to balance said first resolution and said second resolution.

23. (ORIGINAL) The method according to claim 16, wherein said first scaling factor and said second scaling factor are user-programmable.

24. (ORIGINAL) The method according to claim 16, wherein said first scaling factor and said second scaling factor are constrained according to a ratio of lines in said first video output signal and said second video output signal.

25. (PREVIOUSLY PRESENTED) The method according to claim 14, wherein (i) said first video output signal comprises a standard definition (SD) video signal, (ii) and said second video output signal comprises a high definition (HD) video signal and (iii) said  
5 first video output signal and said second video output signal are presented simultaneously at said second output and said third output, respectively.